

HS3 - Global Hawk #872 09/16/13 - 09/17/13 Science Report

Aircraft: [Global Hawk - AFRC #872](#) ([See full schedule](#))

Date: Monday, September 16, 2013 - Tuesday, September 17, 2013

Mission: HS3

Mission Location: Tropical Storm Humberto, Central Atlantic

Mission Summary:

This flight was our only flight to Tropical Storm Humberto. Humberto had earlier been a hurricane and then had dissipated, but had reformed into a tropical storm the morning of the flight. A follow-up AV1 flight (Sept. 17) had to be cancelled due to a navigation unit failure.

Submitted by: Scott Braun on 09/18/13

File:

 [HS3_Sept16-17_flight_report.pdf](#)

Related Flight Report:

Global Hawk #872 09/16/13 - 09/17/13

Flight Number: 872-0118

Payload Configuration: HS3 - TN872 2013 configuration

Nav Data Collected: No

Total Flight Time: 20.6 hours

Submitted by: Chris Naftel on 09/17/13

Flight Segments:

From:	WFF	To:	WFF
Start:	09/16/13 14:41 Z	Finish:	09/17/13 11:14 Z
Flight Time:	20.6 hours		
Log Number:	13H010	PI:	Marilyn Vasques
Funding Source:	Hal Maring - NASA - SMD - ESD Radiation Science Program		
Purpose of Flight:	Science		
Comments:	During the flight to Tropical Storm Humberto, 67 sondes were deployed. The aircraft landed with a green board.		

Flight Hour Summary:

	13H010
Flight Hours Approved in SOFRS	459.1
Total Used	272.4
Total Remaining	186.7

13H010 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
08/01/13	872-0111	Check	5	5	454.1	
08/08/13	871-0087	Check	4.6	9.6	449.5	
08/14/13	871-0088	Ferry	10.8	20.4	438.7	
08/16/13	872-0112	Ferry	10.2	30.6	428.5	
08/20/13 - 08/21/13	872-0113	Science	25.1	55.7	403.4	
08/24/13 - 08/25/13	872-0114	Science	24.6	80.3	378.8	

08/29/13 - 08/30/13	872-0115	Science	22.6	102.9	356.2
09/03/13 - 09/04/13	871-0089	Science	23.2	126.1	333
09/04/13 - 09/05/13	872-0116	Science	22.9	149	310.1
09/07/13 - 09/08/13	872-0117	Science	23.2	172.2	286.9
09/10/13	871-0090	Science	4.6	176.8	282.3
09/15/13 - 09/16/13	871-0091	Science	22.9	199.7	259.4
09/16/13 - 09/17/13	872-0118	Science	20.6	220.3	238.8
09/17/13	871-0092	Science	4.5	224.8	234.3
09/19/13 - 09/20/13	872-0119	Science	22.7	247.5	211.6
09/25/13 - 09/26/13	871-0093	Science	15.1	262.6	196.5
09/26/13	872-0120	Ferry	9.8	272.4	186.7

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

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NASA Official: Bruce A. Tagg

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